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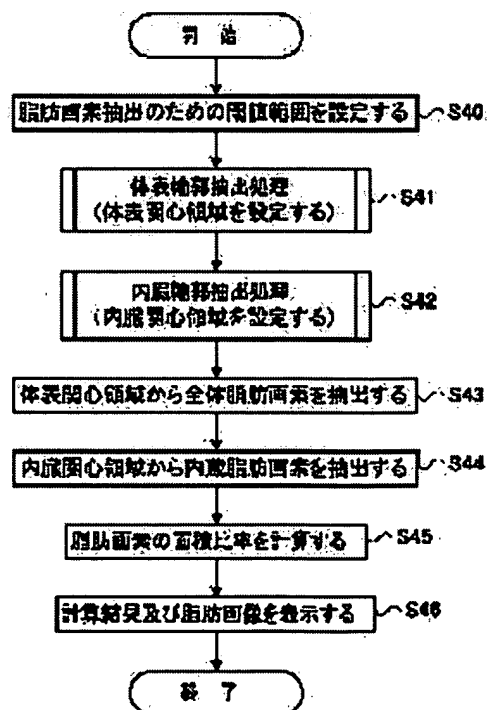
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## (54) IMAGE DIAGNOSTIC DEVICE

## (57)Abstract:

PROBLEM TO BE SOLVED: To automatically measure body fat on the basis of a tomographic image without the need for an operator to operate an image diagnostic device at each time.

SOLUTION: In the tomographic image regarding biological information photographed by a CT apparatus, etc., an outline is traced along the outer periphery of a body surface to extract a body surface interest area 72 (step S41). The whole fat area is extracted from the body surface interest area 72 (step S43). The whole fat area in the body surface interest area 72 is removed to extract only an area corresponding to an abdominal muscle layer, and the outline of the abdominal muscle layer at the area is traced to extract a viscus interest area 80 surrounding visceral fat (step S42). Normally, the abdominal muscle layer has a gap, so when the outline is traced, the gap is taken into consideration and a small circle is rolled in contact with the outer periphery of the abdominal muscle layer to trace the outline. The visceral fat area is extracted from the viscus interest area 80 (step S44). The viscus area is subtracted from the whole fat area which is thus extracted to calculate a subcutaneous fat area.



## LEGAL STATUS

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